

# Correct 'Excessive Spike' in .Lib

To Prevent from Serious Speed Degrading

- ◆ 'Excessive Spike' entry in the table of setup/hold time & min pulse width in .Lib model could cause
  - Difficult to keep monotonic table as required by PrimeTime
  - Large performance sacrifice (e.g. due to min clock width)
- ◆ Simulate the cell by applying the 'reduced' setup/hold time & min pulse width, i.e. adding 'negative' margin.
- ◆ At the various negative margins, verify the simulation results for locating functional 'success' without noise violations. Then, report the necessary corrections.